

Kolchinskii, L. G.

ON THE AMPLITUDE OF VIBRATION OF STAR IMAGES IN TELESCOPES IN DEPENDENCE ON THE ZENITH DISTANCE. [1963] 27p 15 refs.
Free copies available from Boeing Scientific Research Lab., Library as Boeing Trans. R67. When supply is exhausted, order from OTS or SLA \$2.60 63-20240

Trans. of Astronomicheskii Zhurnal (USSR) 1952,
v. 29, no. 3, p. 350-362.

DESCRIPTORS: *Stars, *Optical images, *Telescopes, Optical properties, Atmospheric refraction, Light transmission, Vibration, Astrophysics.

An analysis is made of observations of the amplitudes of vibrations of star images at different zenith distances to determine where the sources of these vibrations are localized in the atmosphere. Various observation methods are discussed and the data resulting from these observations are presented in table form.

63-20240

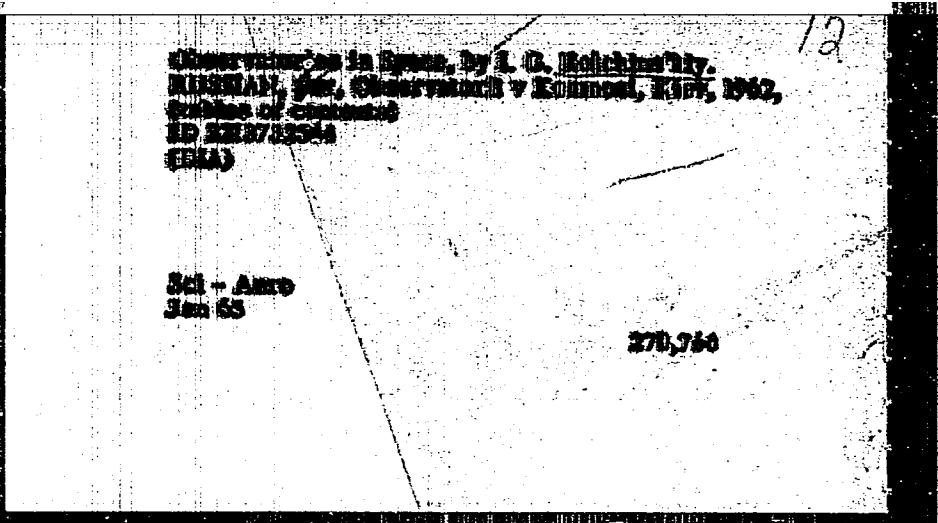
- I. Kolchinskii, L G.
- II. Boeing Trans-R67
- III. Boeing Scientific Research Lab., Seattle, Wash.

... 06138

(Astronomy--Astrophysics,
TT, v. 10, no. 12
Office of Technical Services)

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Vol I, No 4 84,684

Sci - Astron
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The Use of Gaseous Atmospheres for Heat Treatment
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[11p] (foreign text included)
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Trans. of Med[itsinskaya] Prom[yshlennost'] SSSR,
1954, no. 1, p. 39-42. (Abstract available)

DESCRIPTORS: *Glass, *Quality control, *Microscopes,
Polarization, Polarizing filters, Polariscopes, Light,
Annealing, Test methods, Degradation.

After the glass has been well annealed a sample is cut
in the shape of a ring, polished, and immersed in a
fluid which has a refractive index similar (close) to the
one of the glass sample. Pure benzene is the most
common immersion fluid used. The sample is observed
using a polarizing microscope. Polarimeter-polariscope
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DESCRIPTORS: Polymerization, *Copolymerization,
Condensation reactions, Polymers, Cyclic compounds,
Chlorine compounds, *Phosphinic acids, *Styrenes,
*Vinyl radicals, *Chlorides, *Acetates, Thermo-
chemistry, Mechanical properties, Esters, Butyl
radicals.

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